

FIG. 1

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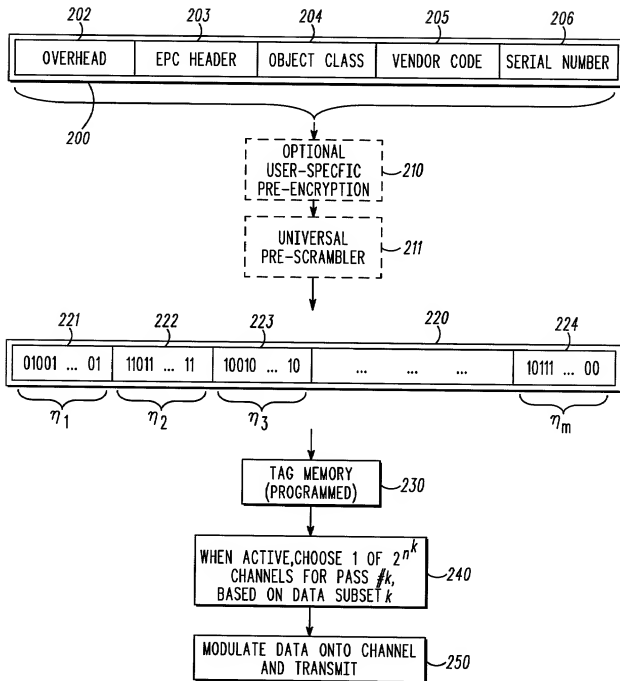


FIG. 2

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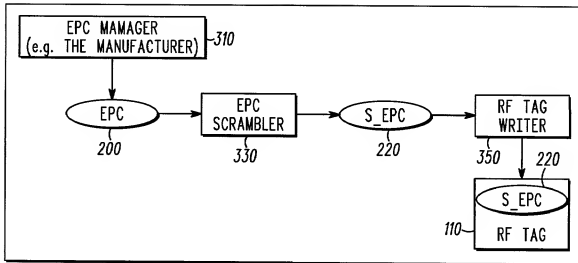


FIG. 3

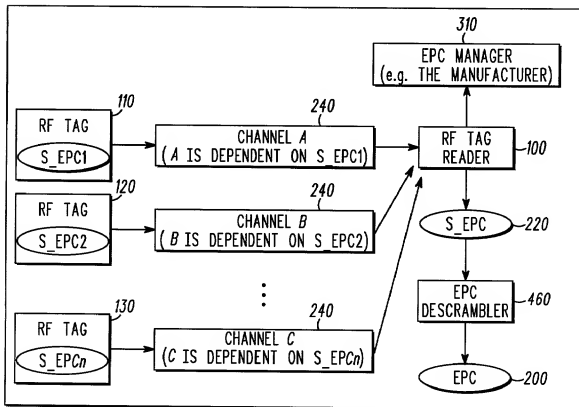


FIG. 4

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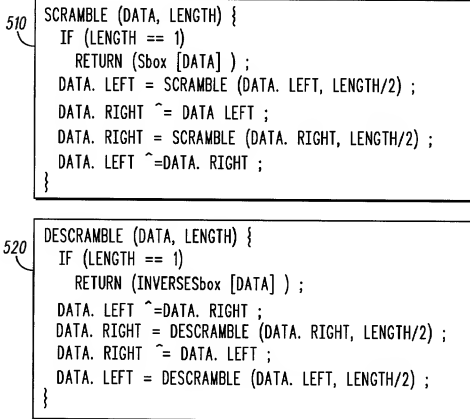


FIG. 5

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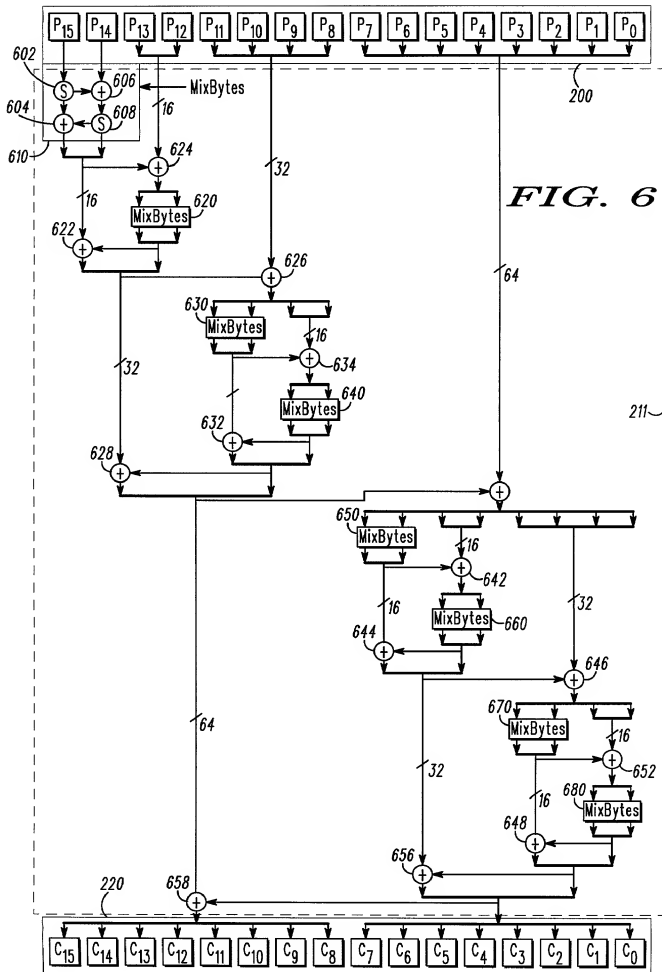
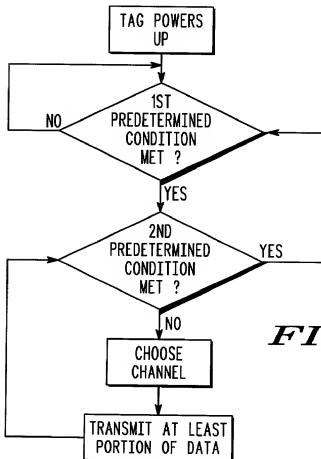
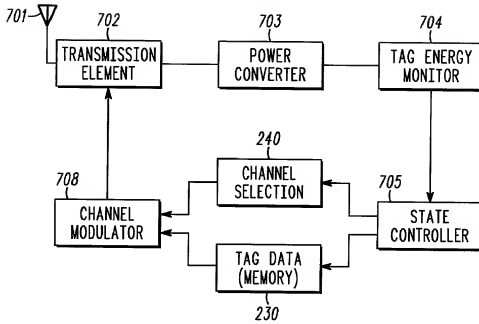


FIG. 6

00000000 00000000 00000000 00000000



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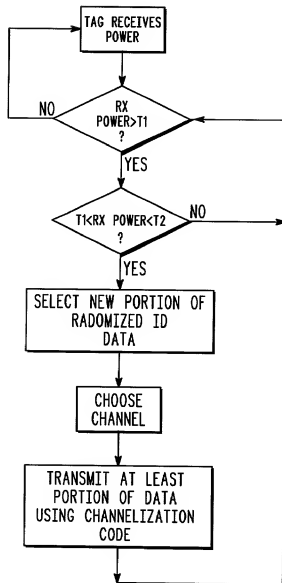


FIG. 9

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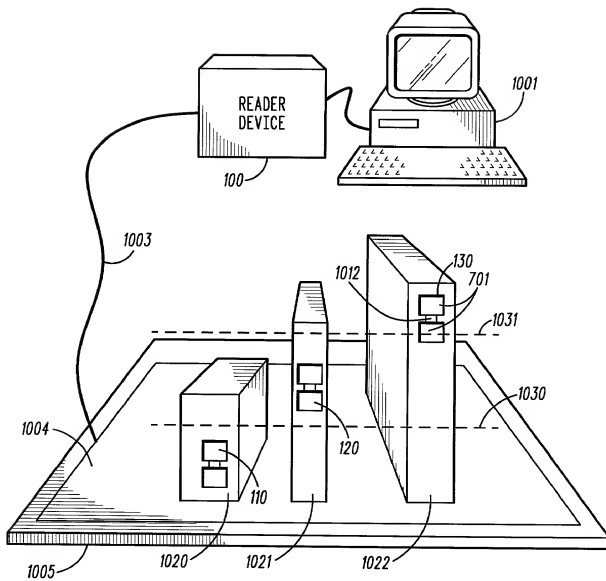
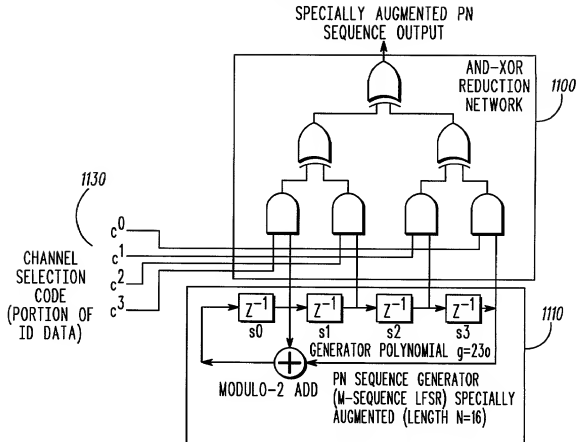


FIG. 10

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LFSR STATE TABLE

CLOCK CYCLE	s0	s1	s2	s3	DEC. STATE
0 (ZERO OUT)	1	1	1	1	15
1 (HELD)	1	1	1	1	15
2	0	1	1	1	7
3	1	0	1	1	11
4	0	1	0	1	5
5	1	0	1	0	10
6	1	1	0	1	13
7	0	1	1	0	6
8	0	0	1	1	3
9	1	0	0	1	9
10	0	1	0	0	4
11	0	0	1	0	2
12	0	0	0	1	1
13	1	0	0	0	8
14	1	1	0	0	12
15	1	1	1	0	14

1120

FIG. 11

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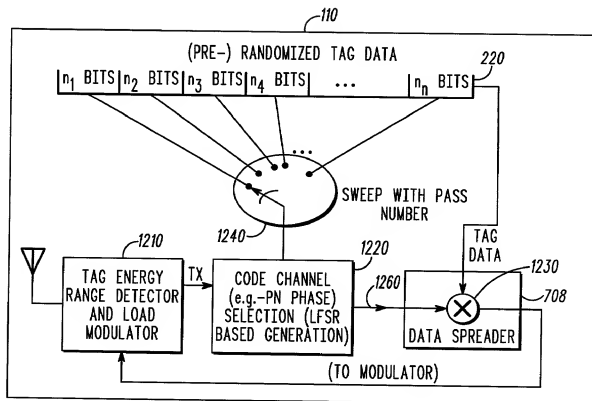


FIG. 12

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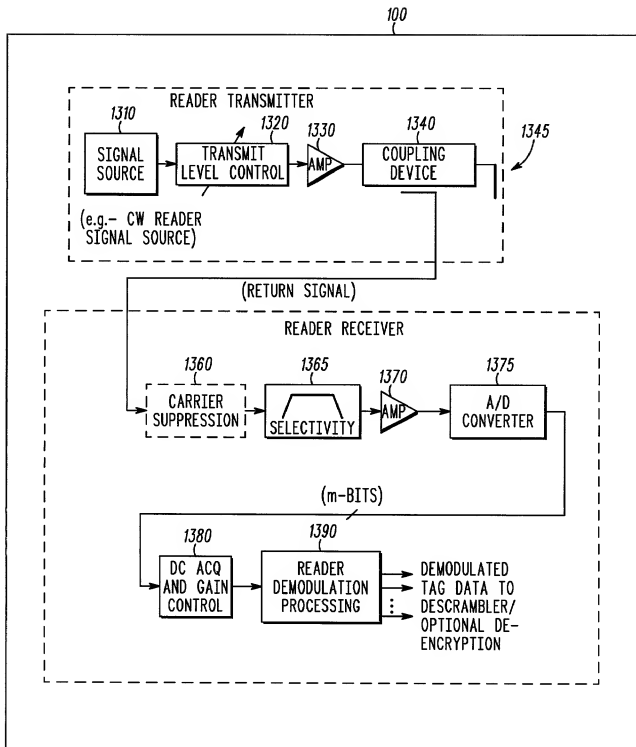
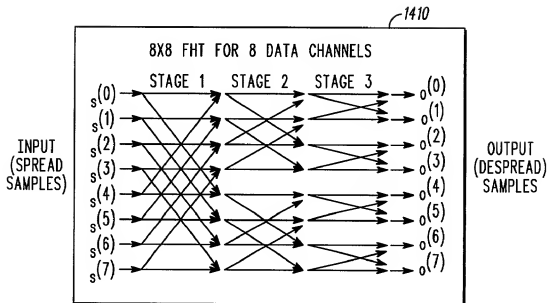
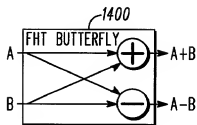


FIG. 13

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WALSH CODE (0)=	0	0	0	0	0	0	0
WALSH CODE (1)=	0	1	0	1	0	1	0
WALSH CODE (2)=	0	0	1	1	0	0	1
WALSH CODE (3)=	0	1	1	0	0	1	1
WALSH CODE (4)=	0	0	0	0	1	1	1
WALSH CODE (5)=	0	1	0	1	1	0	1
WALSH CODE (6)=	0	0	1	1	1	1	0
WALSH CODE (7)=	0	1	1	0	1	0	1

8 WALSH CODES (e.g., ROWS OF H_3 HADAMARD MATRIX)

$$(H_{n+1} = \begin{bmatrix} H_n & H_n \\ H_n & \overline{H_n} \end{bmatrix}, H_0 = 0)$$

FIG. 14

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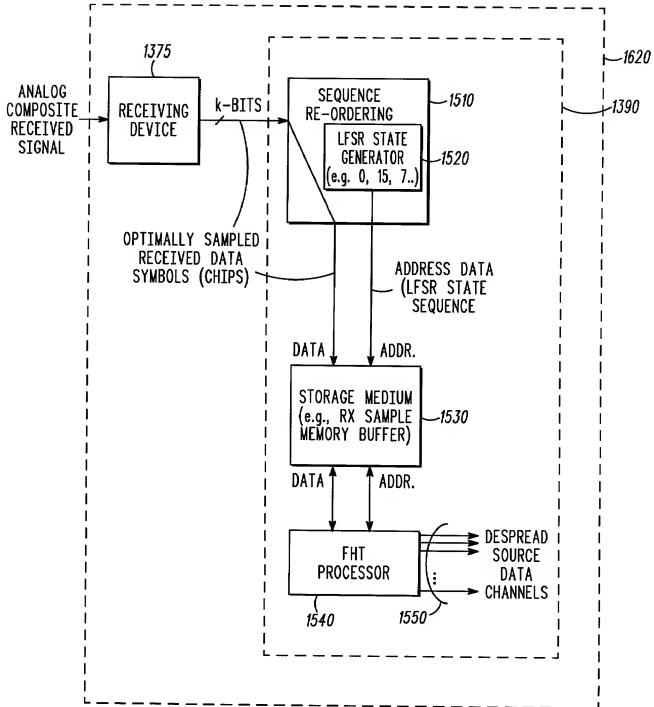


FIG. 15

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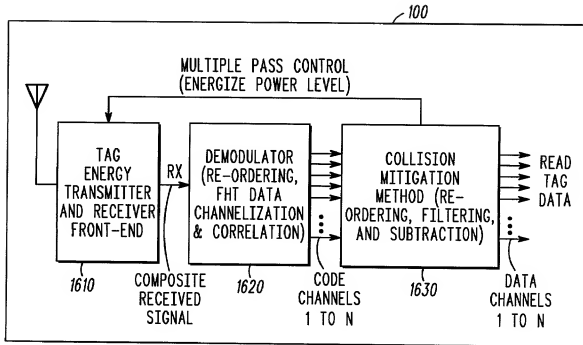
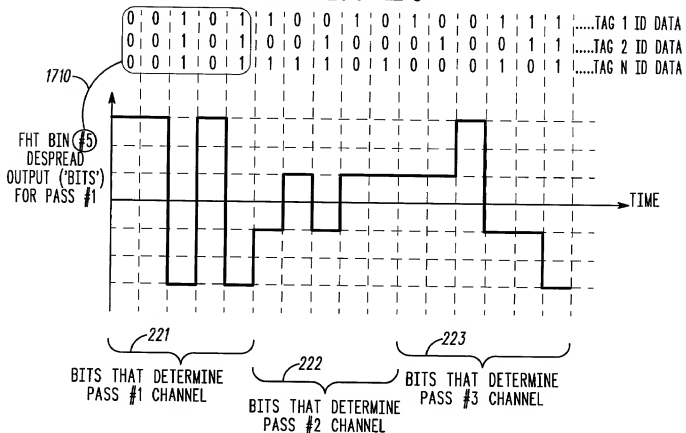


FIG. 16

FIG. 17



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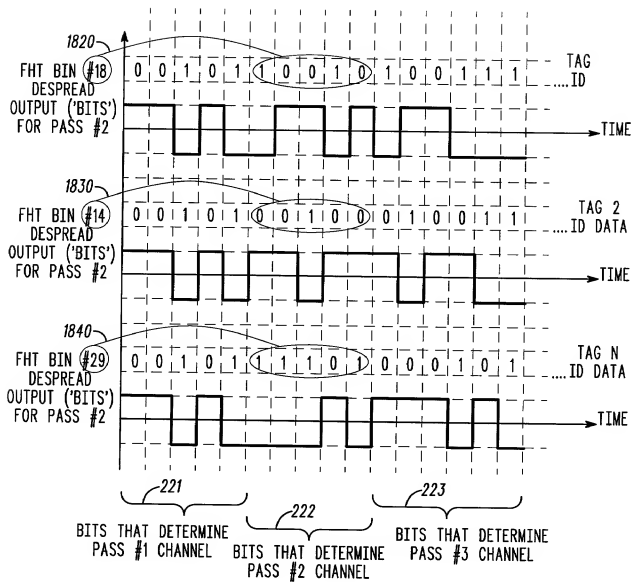


FIG. 18

CO **CA** **MA** **LA** **PA** **SA** **VA** **WA** **GA** **FLA**

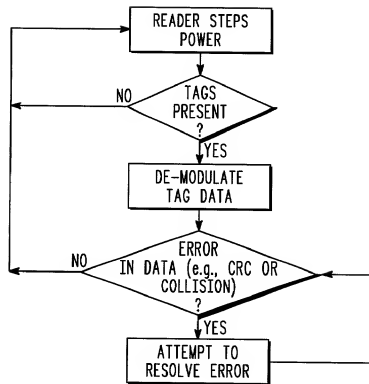


FIG. 19

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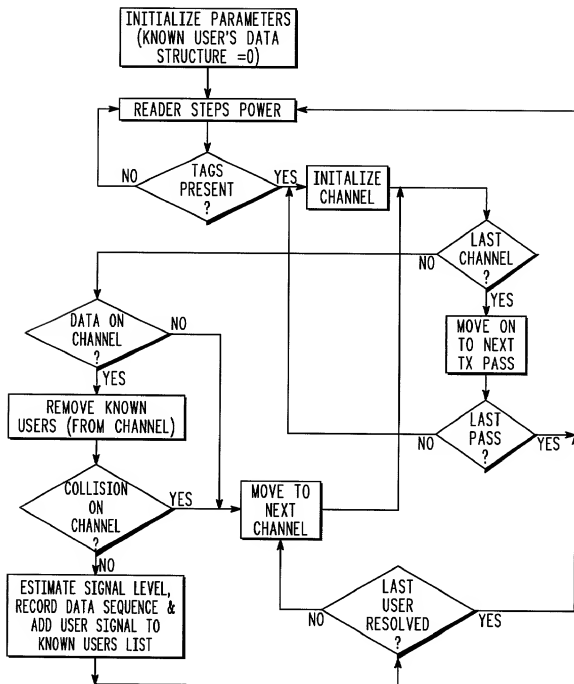


FIG. 20

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CHANNEL NUMBER	#0	#1	#2	#3	#4	#5	#6	#7
PASS #1	①	2 6	4 8		③	⑦	⑤	

PASS #2	① 4 5	2 8			6 7			③
---------	-------------	--------	--	--	--------	--	--	---

PASS #3	②			① 8	4 7		③	⑤ 6
---------	---	--	--	--------	--------	--	---	--------

PASS #4			⑤	7	④	⑧	① 2 6	③
---------	--	--	---	---	---	---	-------------	---

PASS #5	①		2	⑤ 7	③	6 8	4	
---------	---	--	---	--------	---	--------	---	--

PASS #6		4 8		⑤	① 3 6	2	7	
---------	--	--------	--	---	-------------	---	---	--

PASS #7		③ 4 8		① 6		② 5		7
---------	--	-------------	--	--------	--	--------	--	---

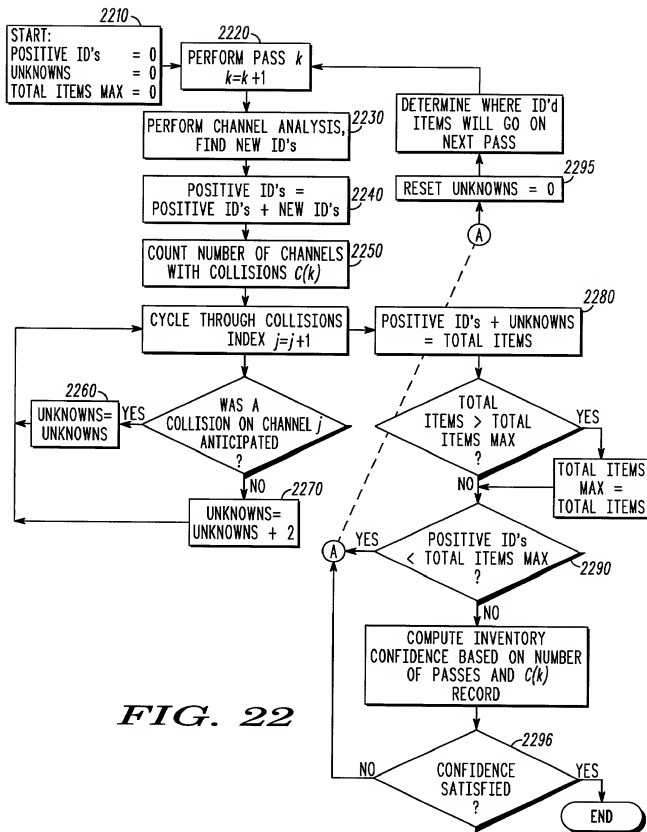
PASS #8		② 4	⑥			③ 5 8	① 2	
---------	--	--------	---	--	--	-------------	--------	--

LEGEND: CIRCLED ITEMS ARE NEWLY ID'd
SHADED ITEMS ARE PREVIOUSLY
ID'd

FIG. 21

00000000-101701

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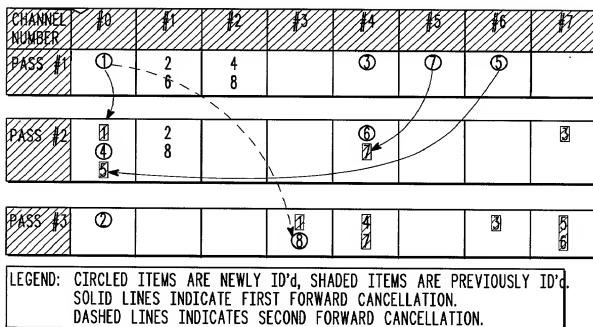


FIG. 23

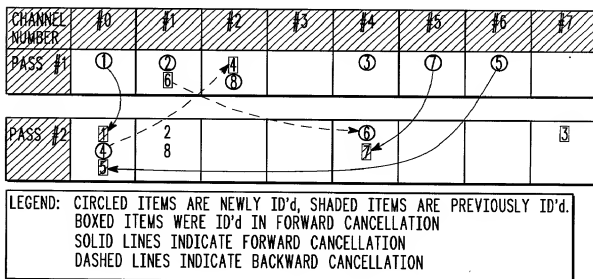


FIG. 24